

What is claimed is:

1. A stator of a three-phase generator, having a multi-strand stator winding, wherein each of the  $m$  phase windings (19)
  - 5 – is comprised of a group (22), which
    - has a first coil (24) with coil sides (28, 29), which are contained in grooves (16) that are spaced apart from one another by  $180^\circ$  electrically and the first coil (24) has a particular number of turns ( $z_w$ ),
    - has a second coil (27) with coil sides (29, 30), which are contained in
 10 grooves (16) that are spaced apart from one another by  $180^\circ$  electrically and the second coil (27) has a particular number of turns ( $z_w$ );
    - the second coil (27) is offset from the first coil (24) in a first direction by  $180^\circ/m$  electrically, and
    - in accordance with the predetermined number of pole pairs, a corresponding
 15 number of groups (22) that are offset from one another by  $360^\circ$  electrically are arranged one after another in the stator.
2. The stator as recited in claim 1, wherein the group (22) also has a third coil (50) that precedes the first coil (24)
 20 by  $180^\circ/m$  electrically in a second direction opposite from the first offset direction.
3. The stator as recited in claim 2, wherein the third coil (50) has fewer turns than the first coil (24).
- 25 4. The stator as recited in one of the preceding claims, wherein the phase windings (19) are comprised of multi-strand wire.
5. The stator as recited in one of the preceding claims, wherein it is a flat packet stator.
- 30 6. The stator as recited in claim 5,

wherein the coil sides of the stator winding are shaped and adapted to a groove contour.

- 5 7. The stator as recited in one of the preceding claims,  
wherein it is the stator of a machine with three phase windings, in particular a  
three-phase generator.